HW#87: Right Triangle Problems

Geometry

Due: Thursday, Feb 25th

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP:\_\_\_\_\_

FAILURE TO WRITE IN COMPELTE SENTENCES OR SHOW ALL WORK WILL RESULT IN LASALLE.  
Finish the right triangle problems below using any of the right triangle methods or strategies you know: (1)Pythagorean Theorem, (2) special right triangles, and (3) trig, (4) Inverse trig.

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| --- | --- | --- |
| ../../../Desktop/Screen%20Shot%202016-02-21%20at%2011.25.15%20AM.png  Answer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Method Used \_\_\_\_\_\_\_\_\_\_\_\_\_ | | ../../../Desktop/Screen%20Shot%202016-02-21%20at%2011.28.39%20AM.png  Answer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Method Used \_\_\_\_\_\_\_\_\_\_\_\_\_ |
| ../../../Desktop/Screen%20Shot%202016-02-21%20at%2011.29.00%20AM.png  Answer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Method Used \_\_\_\_\_\_\_\_\_\_\_\_\_ | | ../../../Desktop/Screen%20Shot%202016-02-21%20at%2011.31.27%20AM.png  Answer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Method Used \_\_\_\_\_\_\_\_\_\_\_\_\_ |
| ../../../Desktop/Screen%20Shot%202016-02-21%20at%2011.41.16%20AM.png  Answer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Method Used \_\_\_\_\_\_\_\_\_\_\_\_\_ | | You are standing 25 yards from a 12’ high wall. You wish to shoot an arrow over the wall. What angle of elevation shoud you aim the arrow?  Answer\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Method Used \_\_\_\_\_\_\_\_\_\_\_\_\_ |
| REVIEW. Review is a chance for YOU to practice skills that we have already learned through out the year.  Choose 4 of the 6 problems below and complete them as your review. | | |
| Find the distance between the coordinate point (2,6) and (7,4). | *∆ABC* is an isosceles triangle with one base angle of 60°. What is the measure of the vertex angle? | |
| Solve for x  C:\Users\kramos\Desktop\Capture.PNG | State which theorem would be used to prove that the two triangles are congruent? Label all congruence angles and sides (3 sides and 3 angles total).  C:\Users\kramos\Desktop\Capture1.PNG | |
| ∆MKL ~ ∆DCB. Find the length of side DC.  C:\Users\kramos\Desktop\Capture2.PNG | Write the slope-intercept form of the equation through point (-3,0) and parallel to . | |